

# Unit Project

## Dealing Down

**D**ealing Down is a mathematics card game that tests your creative skill at writing expressions. Play several rounds of the game. Then write a report on the strategies you found.

### How to Play Dealing Down

- Work in small groups.
- Shuffle the 25 cards marked with the following numbers.  
 $-10, -9, -8, -7, -6, -5, -4, -3, -2, -1, -\frac{1}{2}, -\frac{1}{3}, -\frac{1}{4}, 0,$   
 $0.25, \frac{1}{3}, 0.5, 1, 2, 3, 4, 5, 7, 8, 10$
- Deal four cards to the center of the table.
- All players use the four numbers to write an expression with the least possible quantity.
- Players compare answers and discuss how they know their quantity is accurate and the least possible.
- Each player with an expression for the least quantity gets 1 point.
- Record the results of that round in a table like the one below and play more rounds.

#### Round 1

Cards Dealt	Expression With the Least Quantity	Who Scored a Point
Why That Expression Has the Least Quantity:		

- The player with the most points at the end of the game wins.

## Write a Report

Write a report about strategies for writing the least possible quantity using four numbers.

Consider the following ideas as you look at the strategies in Dealing Down.

- Operating with negative and positive numbers
- Order of operations including the use of parentheses and exponents
- Commutative Property of Addition and Multiplication
- Distributive Property

